**ASSY, Quadcopter Drone — Bill of Materials (BOM)**

**Prepared by:**

**Audited by:**

**REMARKS** (for internal use only)

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Description** | **Part Drawing Number** | **No. Off** |
|  | | | |
| **Parts** | | | |
| 1 | Arm | P1 | 1 |
| 2 | SUBASSY, Rib | A1 | 1 |
| 3 | Propeller blade | P2 | 4 |
| 4 | Motor | P3 | 4 |
| 5 | SUBASSY, Landing gear | A2 | 4 |
| 6 | Rubber pad | P4 | 4 |
| 7 | Arduino and data logging shield | P5 | 1 |
| 8 | Li-Po battery | P6 | 1 |
| 9 | Servo mount | P7 | 2 |
| 10 | Servo housing (roll) | P8 | 1 |
| 11 | Servo horn (pitch) | P9 | 1 |
| 12 | Camera | P10 | 1 |
| 13 | Camera housing | P11 | 1 |
| 14 | SG90 micro servo 9g | P12 | 1 |
| 15 | Servo horn (roll) | P13 | 1 |
| 16 | MG995 servo | P14 | 1 |
| 17 | Tray holder | P15 | 2 |
| 18 | SUBASSY, Tray | A3 | 1 |
| 19 | Receiver/Transmitter | P16 | 1 |
|  | | | |
| **Fasteners** | | | |
| 20 | Angle bracket α (10 mm x 14 mm x 25 mm) | F1 | 16 |
| 21 | Angle bracket β (15 mm x 18 mm x 20 mm) | F2 | 4 |
| 22 | Bolt (Allen) M3 x 20 mm | F3 | 16 |
| 23 | Bolt (Phillips) M2 x 5 mm | F4 | 4 |
| 24 | Bolt (Phillips) M2 x 30 mm | F5 | 2 |
| 25 | Bolt (Phillips) M3 x 8 mm | F6 | 4 |
| 26 | Bolt (Phillips) M3 x 10 mm | F7 | 22 |
| 27 | Bolt (Phillips) M3 x 20 mm | F8 | 26 |
| 28 | Bolt (Phillips) M4 x 30 mm | F9 | 4 |
| 29 | M2 nut | F10 | 2 |
| 30 | M3 nut | F11 | 52 |
| 31 | M4 nut | F12 | 6 |
| 32 | M3 washer | F13 | 36 |
| 33 | M4 washer | F14 | 2 |

**Assembly number:** A0

**Revision:** 3